

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Anonymous publications are indicated by a —.

Biographical press agency.

William Napier Shaw, M. A., Sc. D., F. R. S. [with portrait]. [London.] [1904.] 20p. 8°.

Bonacini, C., & Nicolis, U.

Ricerche sulla conducibilità elettrica dell' aria. Modena. 1908. 20p. 4°. (Pubbl. R. osserv. geofis. Modena. No. 22.)

Misure di conducibilità elettrica dell' aria eseguite sul Monte Cimone nell' estate del 1908. Modena. 1908. 24p. 4°. (Pubbl. R. osserv. geofis. Modena. No. 24.)

Bouches-du-Rhône. Commission météorologique.

Bulletin annuel . . . 1909. Marseille. 1910. x, 105p. 4°.

Bravais, Auguste.

Mémoire sur les halos et sur les phénomènes optiques qui les accompagnent. Paris. 1847. p. 1-270. 4°. (Extr. Jour. l'école roy. polytech. t. 18.)

Carnegie library of Pittsburg.

Floods and flood protection. References to books and magazine articles. Pittsburg. 1908. 48p. 8°. (Reprinted: Mo. bul. Carnegie library. July, 1908.)

Chile. Observatorio astronómico.

Observaciones meteorológicas de 1909. Santiago de Chile. 1910. 24p. 8°.

Chumley, James.

Bibliography of limnological literature compiled at the Challenger Office. Edinburgh. 1910. p. 659-753. 8°.

Clements, E.

On surges of atmospheric pressure. [Belgaum.] n. d. 14p. 8°.

Coburg. Verein für Wetterkunde.

Jahresbericht . . . 1910. [Coburg.] [1910.] 18p. 8°.

Comité international des poids et mesures.

Travaux et mémoires . . . t. 14. Paris. 1910. v. p. 4°.

Craig, J. I.

Theory of map-projections, with special reference to the projections used in the Survey department. Cairo. 1910. iv, 80p. 4°. (Egypt. Survey department. Paper 13.)

Croppi, Giorgio.

Segnali dei piroscafi in tempo di nebbia. Roma. 1911. 11p. 8°. (Estr.: Riv. marit., gennaio, 1911.)

Denmark. Danske meteorologiske institut.

Meteorologisk aarbog, 1909. Pt. I. København. 1910. vi, 144p. 8°.

Egypt. Survey department.

Meteorological report . . . 1908. Cairo. 1910. v. p. 8°.

Ekaterinburg. Magnetical and meteorological observatory.

Curven des Magnetographen . . . 1910. n. p. n. d. 9 sheets 25 x 45cm.

Nablüdenia . . . 1907. n. p. n. d. xi, 2-20 p. 4°.

Nablüdenia . . . 1908. n. p. n. d. xi, 2-20 p. 4°.

Fassig, Oliver Lanard.

Climate of Porto Rico. [Richmond, Va.] [1911.] 12 p. 4°. (U. S. Weather bureau.)

Georgetown (British Guiana). Botanic Gardens.

Meteorological observations . . . 1909-10. Georgetown. 1911. v. p. 8°.

Golitsyn, B.

Das Erdbeben vom 22. Januar 1910. Sankt Petersburg. 1910. 211-216p. 4°. (S.-Abdr.: Acad. imp. sci., St. Pétersbourg, Bull. 1910.)

Great Britain. Meteorological office.

Meteorological observations at station of the 2d order, 1907. London. 1910. x, 159p. 8°. (M. O. 205.)

Hamburg. Deutsche Seewarte.

Deutsches meteorologisches Jahrbuch—Deutsche Seewarte, 1909. Hamburg. 1910. vii, 199p. 8°.

Haute-Garonne. Commission météorologique.

Bulletin . . . t. 2, fasc. 3 . . . 1908. Toulouse. 1910. v. p. 4°.

Hautreux, A.

Températures de l'Atlantique nord (surface et profondeurs). Monaco. [1911.] 23p. 8°. (Bull. Instit. océanogr. No. 201.)

Hérault. Commission météorologique.

Bulletin météorologique, 1909. Montpellier. 1910. 50p. 4°.

Holland. Koninklijk nederlandsch meteorologisch instituut.

Jaarboek, 1909. Utrecht. 1910. f°. Onweders, optische verschijnselen, etc., . . . 1908. Amsterdam. 1910. v. p. 8°.

Hongkong observatory.

China coast meteorological register, 1908. [Hongkong.] [1908.] n. p. 8°.

(Same), 1909. [Hongkong.] [1909.] n. p. 8°.

(Same), 1910. [Hongkong.] [1910.] n. p. 8°.

India. Meteorological department.

Rainfall of India, 1909. Calcutta. 1910. v. p. 8°.

Internationale seismologische association.

Katalog . . . 1906 registrierten . . . Störungen. II. Teil. Strassburg. 1910. viii, 85p. 4°.

Italy. Ufficio centrale di meteorologia e di geodinamica.

Annali . . . v. 19, pt. 3, 1897. Roma. 1910. 126p. 8°.

Annali . . . v. 24, pt. 1, 1902. Roma. 1909. 103p. 8°.

Annali . . . v. 27, pt. 2, 1905. Roma. 1910. viii, 293p. 8°.

Japan. Central meteorological observatory.

Annual report, 1908. pt. 2. Tokio. 1910. 48p. 4°.

Annual report, 1909. pt. 1. Tokio. 1910. 386p. 4°.

Jersey. Observatoire Saint Louis.

Bulletin . . . 1910. St. Hélier. 1911. 4°.

Láska, V.

Zur Theorie der Niederschläge. Prag. 1910. 7p. 8°. (S.-Abdr.: Sitzber. k. böhm. Gesell. Wiss., II. Kl., 1910.)

Zur Reduktion klimatologischer Elemente. I. Mitteilung. Prag. 1910. 25p. 8°. (S.-Abdr.: Sitzber. k. böhm. Gesell. Wiss., II. Kl., 1910.)

Le Conte, Joseph N.

Snowfall in the Sierra Nevada. (In Sierra club bull., San Francisco, 1908, No. 5, p. 310-314.)

Lindemann, Max.

Die Radioaktivität der Atmosphäre in Kiel und ihre Abhängigkeit von meteorologischen Faktoren. n. p. n. d. p. 99-126. 8°. (S.-Abdr.: Schriften Nat.-wiss. Ver. Schleswig-Holstein, Bd. 15.)

Linke, Franz.

Aeronautische Meteorologie. I. Teil. Frankfurt a. M. 1911. viii, 133p. 8°.

Maine. Water storage commission.

Annual report . . . v. 1. 1911. Augusta, Me. 1911. x, 373p. 8°.

Meinardus, Wilhelm.

Meteorologische Ergebnisse der Winterstation des "Gauss," 1902-1903. [Continuation of Bd. 3.] [Berlin.] [1910-11.] p. 127-339. 8°.

Milham, Willis Ibister.

Syllabus of a course on meteorology. 2d. ed. Williamstown, Mass. 1909. 19p. 8°.

Modena. Università. Osservatorio geofisico.

Osservazioni meteorologiche, 1906 e 1907. Modena. 1909. 139p. 8°.

Osservazione meteorologiche, 1908. Modena. 1910. 53p. 4°.

New York. Meteorological observatory, Central park.

Annual report . . . 1910. New York. 1910. 155p. 4°.

Nigeria. Medical department.

Annual report, 1909. [Zungeru.] [1910.] 14p. f°.

Norway. Norges landbrugshoiskole. Aas, Norway.

Veiret . . . 1909. Kristiania. 1910. 20p. 8°.

Odessa. University. Meteorological observatory.

Annuaire . . . 1909. [Russian.] Odessa. 1911. 105p. 4°.

Oña (Spain). Colegio máximo de la Compañía de Jesús.

Observaciones meteorológicas, 1910. Oña. 1911. 32p. f°.

Philippine Islands. Weather bureau.

Report of the director . . . 1906, pt. 1. Manila. 1910. 404p. 4°.

Polis, Peter.Die Wetterlage bei der Strandung des Luftschiffes *Deutschland* [28. Juni, 1910.] n. p. n. d. sheet 32 x 24cm.

Das Aachener meteorologische Observatorium. n. p. n. d. p. 172-179. 8°.

Die Methode der Pilotballonmessungen für Aerologie und Luftschiiffahrt, insbesondere ihre Ergebnisse am Aachener Observatorium. [Aachen.] [1910.] 20p. 12°.

Pyrenées-orientales. Commission météorologique.

Bulletin . . . 1908. Perpignan. [1910.] 52p. 4°.

Quervain, Alfred de.

Die Erdbeben der Schweiz im Jahre 1908 und die Schallverbreitung der Dynamitexplosion an der Jungfraubahn, 15. November, Zurich. 1909. 9p. f°. (S.-Abdr.: Ann. Schweiz. Met. Anstalt, 1908.)

Roberts, A. W.

Preliminary determination of the absorption of light by the earth's atmosphere. n. p. [1910.] 7p. 8°.

(Reprinted: Trans. roy. soc. So. Africa, 1910. v. 2, pt. 1.)

Sandström, J. W.

Über die Beziehung zwischen Luftdruck und Wind. Uppsala, etc. 1910. 20p. f°. (Handl., Kungl. Svenska Vetensk. Ak. Bd. 45, No. 10.)

Southern Rhodesia. Weather bureau.

Report on meteorology, 1908. London. 1909. 24p. f°.

Stonyhurst college. Observatory.

Results of meteorological and magnetical observations, 1910. Liverpool. 1911. xiv, 62p. 12°.

Trappes. Observatoire de météorologie dynamique.

Travaux scientifiques, Tome 1. Paris. 1903. v. p. f°.

Travaux scientifiques, Tome 3. Paris. 1908. v. p. f°.

Travaux scientifiques, Tome 4. Paris. 1909. 241p. f°.

Tsukubasan. Observatory.

Ergebnisse . . . 1904. Tokio. 1908. 158p. 4°.

Ergebnisse . . . 1905. Tokio. 1909. 131p. 4°.

Ergebnisse . . . 1906. Tokio. 1910. 129p. 4°.

Turin. Università. Osservatorio.

Osservazioni meteorologiche, 1909. Torino. 1910. 55p. 8°.

United Provinces of Agra and Oudh. Meteorologist.

Administration report, 1909-10. Allahabad. 1910. 4p. f°.

Brief sketch of the meteorology, 1909. Allahabad. 1910. 7p. f°.

Upsala. K. Universitet. Meteorologiske observatorium.

Bulletin mensuel météorologique, 1910. Upsala. 1911. 74p. f°.

Vaucluse. Commission météorologique.

Compte rendu, 1909. Avignon. 1910. 30p. f°.

Venice. Osservatorio patriarcale.

Osservazione meteorologiche e geodinamiche . . . 1907. Venezia. 1909. 64p. 4°.

Osservazione meteorologiche e geodinamiche . . . 1908. Venezia. 1910. 62p. 4°.

Vincent, Édouard.

Sur la marche des minima barométriques dans la région polaire arctique du mois de septembre 1882 au mois d'août 1883. [Bruxelles.] n. d. 20p. 4°. (Repr.: Mém. roy. acad. Belg., Cl. sc. 2me. série. T. 3. 1910.)

Voorhees, J. F.

Relation of temperature and rainfall to crop systems and production, Knoxville. 1911. 23p. 8°. (Agr. exp. sta. Univ. Tenn., Bull. 91.)

Walker, Gilbert T.

Memorandum on recent weather and on the probable character of that of January and February, 1911. Calcutta. 1911. 3p. f°.

Zagreb (Agram). Meteorologisches Observatorium.

Jahrbuch, 1903. Jhg. 3, Teile 1 & 2. Zágreb. 1910. v. p. f°.

Jahrbuch, 1907. Jhg. 7, Teil 3. Zágreb. 1910. 47p. f°.

Jahrbuch, 1908. Jhg. 8, Teil 3. Zágreb. 1910. 50p. f°.

Jahrbuch, 1908. Jhg. 8, Teil 4. Seismologie. Zágreb. 1910. xvi, 55p. 8°.

Jahrbuch, 1909. Jhg. 9, Teil 4. Abschn. 1. Zágreb. 1910. 63p. 8°.

Zi-ka-wei. Observatoire magnétique et météorologique.

Bulletin, 1907. Tome 33, fasc. B—Météorologie. Chang-Hai. 1910. B xix, 153p. f°.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology and other cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —.

Journal of the Franklin Institute. Philadelphia. v. 171. April, 1911.

Kimball, Herbert H. Some causes of variation in the polarization of sky light. p. 333-344.

Knowledge. London. new series. v. 8. April, 1911.

Murray, James. Some works referring to red snow. p. 152-153.

Nature. London. v. 86. 1911.

Harger, John. Colliery warnings. p. 12-13. (Mar. 2.) [With comments by W. Galloway.]

— Insurance against rain. p. 144. (Mar. 30.) [States several objections to rainfall insurance, based on the character of the records, etc.]

Kowalski, J. v. Reflection of ultra-violet rays by snow. p. 144. (Mar. 30.)

Bartrum, C. O. Insurance against rain. p. 179. (Apr. 6.) [Calculation of the average risks.]

Clark, J. Edmund. Relations of phenological and climatic variation. p. 192. (Apr. 6.) [Review of memoir by Vanderlinde.]

Physical review. Lancaster. v. 32. February, 1911.

Ångström, A. K[nuts]son. A simple method for determining nocturnal radiation proposed by K. Ångström. p. 211-214.

Guthé, K. E., & Worthing, A. G. A new formula for the vapor tension of water between 0° and 200° C. p. 226-228.

Popular science monthly. New York. v. 78. May, 1911.

Humphreys, W[illiam] J[ackson]. Some weather proverbs and their justification. p. 428-444.

Royal society of London. Proceedings. London. Ser. A. v. 85. No. A 576.

B., W. H. Sir Charles Todd, K. C. M. G., 1826-1910, p. xiii-xvii.

Scientific American. New York. v. 104. 1911.

— An automatic humidifier for workshops. p. 329. (Apr. 1.)

— Some effects of the föhn wind. p. 405. (Apr. 22.)

Symons's meteorological magazine. London. v. 46. March, 1911.

— Sir Francis Galton, F. R. S. 16th February, 1822-17th January, 1911. p. 21. [Obituary.]

Koch, Felix J. A visit to Medicine Hat. p. 29-32.

Terrestrial magnetism. Baltimore. v. 16. March, 1911.

Thompson, Arthur. On a variation in the intensity of the penetrating radiation at the earth's surface observed May 19 and 21, 1910. p. 25-30.

Bauer, L. A. The physical theory of the earth's magnetic and electric phenomena, No. III: The external electric currents and the earth's magnetization. p. 33-52.

Cosmos. Paris. 60 année. 11 mars 1911.

— Effets d'un coup de foudre sur une antenne de télégraphie sans fil. p. 255. [Describes case of ball lightning apparently due to a bend in a conductor.]

France. Académie des sciences. Comptes rendus, Paris. Tome 152. 20 mars 1911.

Guilbert, G. Sur la tempête du 13 mars 1911. p. 804-806.

Balldit, A. Observations sur les charges électriques de la pluie en 1910, au Puy-en-Velay. p. 807-809.

Nature. Paris. 59 année. 11 mars 1911.

Besson, Louis. Le halo du 21 décembre 1910; un arc tangent qui n'est pas tangent. p. 247-248.

Annalen der Hydrographie und maritimen Meteorologie. Berlin. 39. Jahrgang. März 1911.

Köppen, Wladimir. Wodurch ist die hohe Wärme Europas und des nordatlantischen Ozeans bedingt? p. 113-119.

Deutsche Zeitschrift für Luftschiffahrt. Berlin. 15. Jahrgang. 7. März 1911.

— Ein verbesselter Ballonapparat, das Vertikal-Doppel-Anemometer. p. 22-23.

Geographische Zeitschrift. Leipzig. 17. Jahrgang. 3. Heft. 1911.

Knörzer, Albert. Die Temperaturverhältnisse der schwäbisch-bayerischen Hochebene und des Alpenvorlandes. p. 121-134.